The turbulent proximate layer ...

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S/143/61/000/005/001/001
D204/D306

then

$$\delta_r^{**} = \left\{ \frac{5}{4} \mathrm{Re}^{-\frac{1}{4}} \frac{\int_1^r \zeta U^{-\frac{1}{4}} X dr}{X} \right\}^{\frac{4}{5}}$$ (28)   (28)

From (27)

$$X = e^{\frac{5}{4} \int_1^r \left[(3 + m) \frac{U'}{U} + \frac{1}{r} - r^2 \frac{H+1}{r} \right] dr}$$ (29)   (29)

Assuming in (29) H = constant at ε = 0, from (28) and (29) at ζ =
= constant, the known Trunkenbrodt formulae are obtained for the
symmetrical with respect to the axis border layers as cited by
G. Shlikhting (Ref. 3: Op.cit.). The condition for determining
K(r) is derived according to (9) and (10) at m = 1/7,

$$\delta_{r_\tau}^{**} = K^{\frac{8}{7}} \delta_r^{**}.$$ (30)   (30)

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Then from (15) and (28) it follows that

$$K^{\frac{8}{7}} = \varepsilon^{-\frac{1}{5}} \left\{ \frac{\int_1^r \varepsilon_1 K^{\frac{1}{28}} r^{\frac{1}{4}} (rU)^{\frac{5}{4}} dr}{\int_1^r \varepsilon_1 U^{-\frac{1}{4}} X dr} \cdot \frac{X}{(rU)^{\frac{5}{4}}} \right\}^{\frac{4}{5}}$$

(31)   (31)

Assuming that $U = \frac{1}{r}$; $H = $ constant; $\xi = $ constant, then, taking the mean value of $K(r)$ out of the integral in (29), an expression is obtained

$$X = r^{\frac{5}{4}(1+H)(\varepsilon^2 K + 1)}$$

Substituting this into (31), and integrating under the assumption that K is a constant, the following approximate expression is

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The turbulent proximate layer ...

formed

$$K = \varepsilon^{0.538} \left\{ \frac{\left(1 - r^{-\frac{5}{4}}\right) \sqrt{(1 + H)(K\varepsilon^2 + 1) - 1}}{r^{\frac{5}{4}} \sqrt{(1 + H)(K\varepsilon^2 + 1) - 1} - 1} \right\}^{0.718} \quad . \quad (32)$$

It follows that $K \longrightarrow \varepsilon^{0.538}$ at $r \longrightarrow 1$. If Eq. (32) is solved for K for various ε and r, it is evident that K is dependent on r, and that the assumption of K = constant in (32) does not hold. However, comparing the values of $K(r, \varepsilon)$ resulting from (32) with those obtained from (30), (15) and (13) it is seen that at $\varepsilon < 1$, both methods give the same results shown in Fig. 5. The values of K vary with r in the limits from 1 to 0.973 for $\varepsilon = 1$, and from 1.026 to 0.95 at $\varepsilon = 6$. There are 5 figures and 5 Soviet-bloc references.

Card 17/20

20960

S/143/61/000/005/001/001
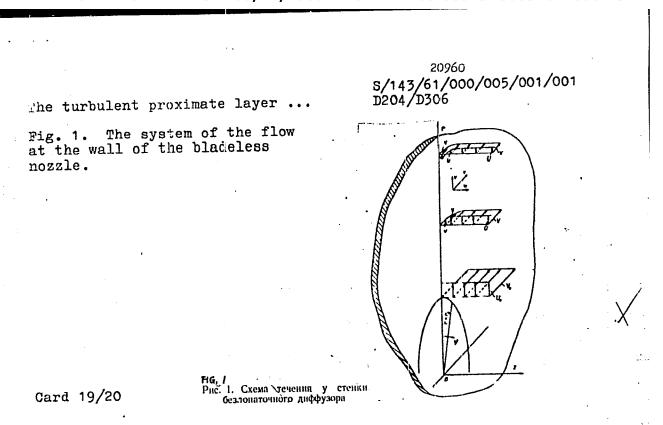D204/D306

The turbulent proximate layer ...

ASSOCIATION: Leningradskiy tekhnologicheskiy institut kholodil'noy
promyshlennosti (Leningrad Technological Institute of
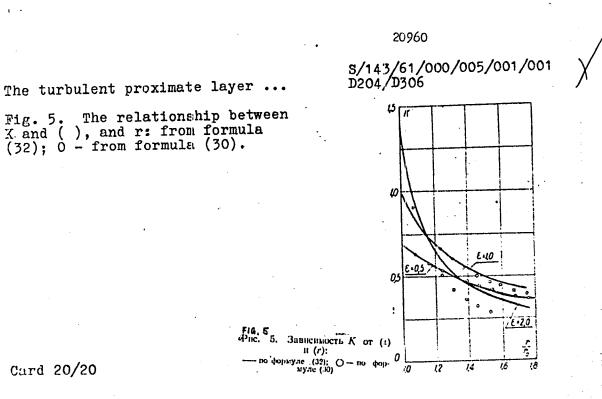the Refrigeration Industry)

PRESENTED: This article was presented by the Kafedra glubokogo
okhlazhdeniya (Department of Deep Refrigeration)

SUBMITTED: June 6, 1960

Card 18/20

the turbulent proximate layer ...

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S/143/61/000/005/001/001
D204/D306

Fig. 1. The system of the flow at the wall of the bladeless nozzle.

FIG. 1
Рис. 1. Схема \течения у стенки безлопаточного диффузора

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D204/D306

The turbulent proximate layer ...

Fig. 5. The relationship between
X and ( ), and r: from formula
(32); 0 - from formula (30).

FIG. 5
Рис. 5. Зависимость K от (t)
и (r):
— по формуле (32); O — по фор-
муле (30)

Card 20/20

DEN, G.N., inzh.

Turbulent boundary layer on the wall of a bladeless diffuser of a
centrifugal compressor machine. Izv.vys.ucheb.zav.; energ. 4 no.5:
89-96 My '61.   (MIRA 14:6)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlen-
nosti. Predstavlena kafedroy glubokogo okhlazhdeniya.
                    (Diffusers)   (Compressors)

27244
S/170/61/004/009/003/013
B104/B125

26.2120

AUTHOR: Den, G. N.

TITLE: Gas flow between parallel, rotating disks and heat exchange
            between interconnected channels

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 4, no. 9, 1961, 24-31

TEXT: The flow of gas between two parallel, rotating disks has been studied
on the assumption that the gas velocity in the channel varies exponentially
In solving the problem, the author further assumes that in the initial part
where the boundary layers join at the disks, the flow is negligibly small;
if the gap width 2b between the two disks is small compared to their radii,
the equations of motion for a viscous, incompressible gas between two
rotating disks read as follows:

$$u \partial u/\partial r + w \partial u/\partial z - v^2/r = - dp/\varrho dr + \partial \tau_{zr}/\varrho \partial z \quad (1),$$

$$u \partial v/\partial r + w \partial v/\partial z + uv/r = \partial \tau_{z\varphi}/\varrho \partial z \quad (2),$$

$$\partial u/\partial r + \partial w/\partial z + u/r = 0 \quad (3).$$

Here, u, v, and w are the radial, tangential, and axial velocity components,
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S/170/61/004/009/003/013
Gas flow between parallel, rotating ...   B104/B125

respectively; p and ϱ are pressure and density, respectively; τ_{zr} and $\tau_{z\psi}$ are components of the stress tensor. If u, v, and p are determined from these equations, it will be possible to calculate the gas-dynamic characteristics of the centrifugal wheel formed by the two rotating disks. For the amount of gas supplied by the centrifugal wheel the following relations are obtained:

$$Q = 4\pi r \int_{0}^{b} u dz = 4\pi b \omega r_2^2 \varphi \; ; \; \overline{\Delta p} = \varrho \omega^2 r_2^2 \chi_{st} \cdot$$ The internal

power is given by $N = \varrho \omega^2 r_2^2 Q\psi$, where ϱ is the delivery factor, χ is the pressure factor, and ψ is the theoretical pressure factor. For a turbulent movement of the gas between the rotating disks it is assumed that the velocity components transverse to the channel are approximately given by the relation $u = AU_*(U_* z/\nu)^m = U(z/b)^m$ and $v = \omega r - AV_*(V_+ z/\nu)^m$

$= \omega r - (\omega r - V) (z/b)^m$, where $\varrho U_*^2 = \tau_{zr}|_{z=0}$; $\varrho V_*^2 = \tau_{z\psi}|_{z=0}$; $U = u(b)$;

$V = v(b)$; m and A are empirical constants. Under these assumptions and boundary conditions the author calculated the gas-dynamic characteristics of the centrifugal wheel. A graphical representation of the total pressure

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S/170/61/004/009/003/013
Gas flow between parallel, rotating ...   B104/B125

increase, of the theoretical pressure factor, of the total pressure factor, and of the static pressure factor as functions of the delivery factor indicates that these characteristics differ from those of ordinary centrifugal wheels. For ordinary centrifugal wheels $\eta(\varphi)$ has an optimum which is related to the "shockless" flow to the blades. Calculations have shown that an increase of Re in a centrifugal wheel of the type concerned will result in a decrease of pressure and efficiency. This is in contrast to ordinary radial compressors. The type described here shows no spoiling losses (contrary to ordinary compressors), and all losses are caused by friction. At a given delivery, the absolute energy loss diminishes with increasing Re, and the transfer of mechanical energy from the rotating disks to the flow decreases simultaneously. As a result, pressure and efficiency are also reduced. An investigation of the temperature distribution in the channel begins with a study of the temperature distribution in the disks. The amount of heat transferred by the disks from a hot gas to a cold one is given by the expression

$$\widetilde{Q} = 4\pi \int_{r_1}^{r_2} r\widetilde{q}dr = 4\pi \varrho c_p \omega r_1^3 \bar{b} \bar{r}_2^2 \varphi \left\{ \bar{r}_2^2 - 1 - 0.889(y_2 - 1) \right\} \, C. \quad \text{Finally, the}$$

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S/170/61/004/009/003/013
B104/B125

Gas flow between parallel, rotating ...

author discusses the calculation of this amount of heat with the aid of the Kirpichev number. There are 4 figures and 3 references: 2 Soviet and 1 non-Soviet.

ASSOCIATION: Nevskiy mashinostroitel'niy zavod im. V. I. Lenina, g. Leningrad (Neva Machine-building Factory imeni V. I. Lenin, Leningrad)

SUBMITTED: April 19, 1961

Card 4/4

S/114/63/000/004/001/005
A004/A127

AUTHORS: Ris, V.F., Den, G.N., Candidates of Technical Sciences,
             Shershneva, A.N., Engineer

TITLE: The effect of flow on the runner of the centrifugal stage

PERIODICAL: Energomashinostroyeniye, no. 4, 1963, 14 - 17

TEXT: The authors analyze a force system which is applied to the run-
ner of single-stage centrifugal force pumps with a shell located immediate-
ly behind the runner. They point out that such a layout of the shell results
inevitably in a disturbance of the axial symmetry of flow, which can be con-
firmed by a simple qualitative analysis of the flow in the shell. Calculat-
ing the stress acting on the runner in the absence of an axial symmetry of
flow round the wheel and the pressure changes near the runner along the pe-
riphery and radius, the authors present appropriate formulae and experiment-
al data characterizing the aerodynamic stress acting on the runner. There are
6 figures and 1 table.

Card 1/1

HUNGARY

DENES, Laszlo, Dr, PERNECZKY, Maria, Dr; Megye Council Hospital of Bacs-Kiskun (medical director: TAKACS, Sandor, Dr), Neurology (chief physi-cian: DENES, Laszlo, Dr), and Pathology (chief physician: LUSZTIG, Gabor, Dr), (Bacs-Kiskun Megyei Tanacs Korhaza, Ideggyogyaszat es Korbonctan).

"Occlusion of the A. Cerebelli Inferior Posterior, Confirmed by Autopsy. The Two Types of Bulbar Lateral Syndrome."

Abstract:[Authors' German summary] In two cases, presenting a classical Wallenberg syndrome clinically, thrombosis of the a. cerebelli inf. post. was diagnosed. The cause of the observed lateral syndrome was confirmed by the autopsy finding as the thrombosis. Literature data, previous obser-vations by the authors as well as blood supply conditions of the lateral areas of the oblongata indicate that there exists a superior lateral ob-longata syndrome (occlusion of the a. fossea bulbi) and an inferior one which arises from the occlusion of the a. cerebelli inf. post. The latter is accompanied by paresis of the vocal chord and consequently a severe lesion of the middle and lower section of the nucleus ambiguus was shown in the cases discussed. 5 Eastern European, 41 Western references.
1/1

— 1 —

ACCESSION NR: AP4014407   S/0114/64/000/001/0001/0006

AUTHOR: Ris, V. F. (Candidate of technical sciences); Den, G. N. (Candidate of technical sciences)

TITLE: Selecting optimum parameters for compressor impeller

SOURCE: Energomashinostroyeniye, no. 1, 1964, 1-6

TOPIC TAGS: compressor, compressor type machine, compressor impeller, impeller, impeller blade, blade shape, blade profile, blade outlet angle, blade inlet angle, compressor efficiency

ABSTRACT: Some results of an experimental investigation as to how to enhance the efficiency of centrifugal compressor machines are reported. The following factors were explored: (1) Number of blades in the impeller — a blade-row solidity of 2.5-3.8 was found to be optimum; (2) Blade inlet angle -- optimum angle was found to depend on the compressor model; (3) Ratio D_0/D_2 within

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ACCESSION NR: AP4014407

0.47-0.59 with the hub-tip ratio of 0.15-0.25; (4) Acceleration of the inlet flow — a serious effect on the efficiency was found; (5) Thinning the blade trailing edge enhanced the efficiency by 2% in one experiment; (6) Blade cross-sectional shape in the radial plane; (7) Blade profiles in the radial plane; (8) Radius of rounding of the inlet section of the cover disk; (9) Blade outlet angle was explored for a variety of conditions. Orig. art. has: 7 figures, 5 formulas, and 5 tables.

ASSOCIATION: Nevskiy mashinostroitel'ny*y zavod (Neva Machine-Building Plant)

SUBMITTED: 00   DATE ACQ: 14Feb64   ENCL: 00

SUB CODE: PR, AP   NO REF SOV: 006   OTHER: 000

Card 2/2

RIS, V.F.; Prinimali uchastiye; DEN, G.N., kand. tekhn. nauk;
SHERSHNEVA, A.N., inzh.; STRAKHOVICH, K.I., doktor
tekhn. nauk, prof., retsenzent

[Centrifugal compressor machines] TSentrobezhnye kompres-
sornye mashiny. 2. perer. izd. Moskva, Mashinostroenie,
1964. 334 p.   (MIRA 18:3)

DEN, G.N., inzh.

Study of the operation of bladeless diffusers with nonparallel walls. Teploenergetika 12 no.6:21-24 Je '65. (MIRA 18:9)

1. Nevskiy mashinostroitel'nyy zavod imeni Lenina.

L 38435-66   EWP(m)/EWT(1)/EWT(m)/EWP(k)/T-2/EWP(v) IJP(c)   EM/WW

ACC NR: AP6019730   SOURCE CODE: UR/0096/66/000/007/0033/0036

AUTHOR: Den, G. N. (Engineer); Tilevich, I. A. (Engineer)   5 4

ORG: Nevskiy Machine Building Plant im. V. I. Lenin (Nevskiy   B
mashinostroitel'nyy zavod)

TITLE: Gas dynamic characteristics of vane-type diffusers of
centrifugal compressors   24

SOURCE: Teploenergetika, no. 7, 1966, 33-36

TOPIC TAGS: diffuser design, centrifugal compressor, gas dynamics

ABSTRACT: The work of a diffuser is conveniently evaluated from the value of the loss coefficient ζ, which represents that part of the kinetic energy in front of the diffuser $\bar{q}_3$ which is lost during the passage of the stream through the vanes, and from the value of the recovery coefficient ξ, which characterizes that part of the kinetic energy which is transformed into static pressure:

$$\zeta = \delta \bar{H}^{\ast}/\bar{q}_3, \quad \xi = \Delta \bar{H}/\bar{q}_3,$$

where $\bar{q}_3$ is the mean velocity head in front of the diffuser; $\delta \bar{H}^{\ast}$ is the loss of total head in the diffuser; $\Delta \bar{H}$ is the change in the static

Card 1/2   UDC: 621.51.621.43.06.001.5

L 38435-66

ACC NR: AP6019730

heat   in   the   diffuser.   Experiments were carried out in an experimental unit which is illustrated in the article. A table gives the characteristic dimensions of the apparatus. Based on the experimental data, graphs   show the effect of the number of vanes on the characteristics of the diffuser and the effect of the diffuser channel. The following formula is derived

$$\delta = \frac{0.23 (2a/l)^2 - 0.002 a_4 + 0.18}{\frac{1}{a_4 - a_3} \sqrt{l/t} - 0.002}$$

where l/t is the density of the grid; α is the abscissa of the mean curvature of the middle line; $\alpha_4 - \alpha_3$ is the angle of rotation of the shape in the grid, degrees. The formula is said to be valid for values of $\alpha_4 \geqslant 40°$. Orig. art. has: 5 figures and 2 tables.   [06]

SUB CODE: 21/ SUBM DATE: none/ ORIG REF: 001

Card 2/2

ACC NR: AP6031395   SOURCE CODE: UR/0114/66/000/009/0002/0006

AUTHORS: Ris, V. F. (Doctor of technical sciences); Den, G. N. (Candidate of technical sciences); Shershneva, A. N. (Candidate of technical sciences); Tilevich, I. A. (Engineer)

ORG: none

TITLE: Some work of the Nevskiy Machine Building Works in studying the flow part of centrifugal compressor machines

SOURCE: Energomashinostroyeniye, no. 9, 1966, 2-6

TOPIC TAGS: centrifugal compressor, multistage compressor, exhaust diffuser, gas dynamics, compressor rotor

ABSTRACT: The results from studies of the flow parts of centrifugal compressor machines are given. The effect of intake chambers at various periods of time were studied. Tests of a final stage with a pump-type rotor with a short bladeless diffusor and a symmetric pear-shaped helix made in the presence of an intake chamber and with axial intake gave practically identical results (see Fig. 1). The effect of certain rotor parameters is studied on the basis of an earlier work of V. F. Ris (Tsentrobezhnyye kompressornyye mashiny. Izd. Mashinostroyeniye, 1964). It is found that when the exit angle β_2 is increased from 15 to 90° the efficiency of the final

UDC: 621.515.001.5

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ACC NR: AP6031395

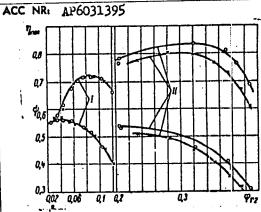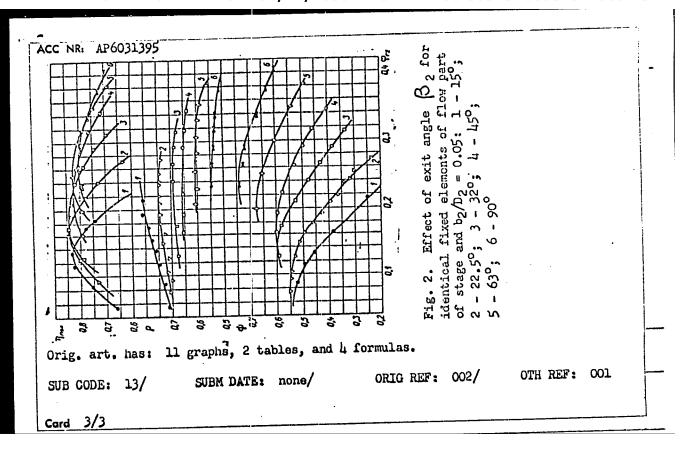Fig. 1. Effect of intake chamber on characteristics of various stages:
I and II - β_2 = 20 and 45°:
O - stage with axial intake;
X - stage with intake chamber

stage increases at first, and then decreases. When the relative width of the rotor b_2/D_2 is reduced to 0.0131, the maximum values of efficiency are reduced by only 1% (see Fig. 2). The effect of bladed-diffuser geometry is also studied.

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ACC NR: AP6031395

Fig. 2. Effect of exit angle β_2 for identical fixed elements of flow part of stage and $b_2/D_2 = 0.05$: 1 – 15°; 2 – 22.5°; 3 – 32°; 4 – 45°; 5 – 63°; 6 – 90°

Orig. art. has: 11 graphs, 2 tables, and 4 formulas.

SUB CODE: 13/   SUBM DATE: none/   ORIG REF: 002/   OTH REF: 001

Card 3/3

DENBIG, K.

6508. Denbig K. Termodinamika Statsionarnykh Neobratimykh Protsessov.
Perevod S Ahgl. V. V. Korobova. Pod Red. I S Predisl. V. K. Semenchenko.
M., Izd. Inostr. Lit., 1954. 120s. 21 SM. 5R. 45K. Vper. --Bibliogr:
s. 117-118 (59 Nazv.) -- (55-2311) P 536.7 & (016.3)
Kiyevskiy Pedagogicheskiy Instityt Im. A. M. Gor'Kogo. Uchehyye Zapiski.
T. 16. Fiziko-Matematicheskaya Seriya. No. 5.--Na Ukr. Yaz. Sm. 7305

SO: Knizhnaya Letopis' No. 6, 1955

ABAKUMOV, V.G.; PETRENKO, A.I., kand. tekhn. nauk; DENBNOVETSKIY, S.V.

    Functional graph converter with a vidicon. Avtom. i prib.
no.4:47-51 O-D '63.   (MIRA 16:12)

    1. Kiyevskiy politekhnicheskiy institut.

L 36340-65   EWT(1)/EWA(h)   Peb

ACCESSION NR: AP5006594   S/0142/64/007/006/0739/0742

AUTHOR: Denbnovetskiy, S. V.; Abakumov, V. G.; Petrenko, A. I.

TITLE: Converter of a single pulse to a periodic pulse

SOURCE: IVUZ. Radiotekhnika, v. 7, no. 6, 1964, 739-742

TOPIC TAGS: pulse converter, signal analysis, pulse generator, photoelectric converter, storage device

ABSTRACT: An automatic device for converting a single pulse to a periodic pulse for use in signal analysis is described. An electrostatic-storage tube is employed to store the input-pulse envelope. The tube is the basic component of the storage unit; it attaches to a standard oscilloscope. The image is projected onto a vidicon target, where a potential pattern corresponding to the shape of the pulse is formed. Readout of the stored input function is by raster scanning. The time interval between the beginning of the vertical sweep and the appearance of a marker pulse at the moment of intersection of the potential pattern with the electron beam is proportional to the ordinate of the input pulse. The analog output voltage varies in time according to the input signal envelope. The readout cycle of the input pulse ordinates is repeat-

Card 1/2

L 36340-65

ACCESSION NR: AP5006594   0

ed periodically, which results in the appearance of the periodic signal at the output.
Signal duration is determined by the duration of the horizontal (frame) scan of the
readout. Orig. art. has 2 figures.   [KM]

ASSOCIATION: none

SUBMITTED: 10Dec63   ENCL: 00   SUB CODE: EC

NO REF SOV: 006   OTHER: 003   ATD PRESS: 3219

Card 2/2

ACCESSION NR: AP4018376   S/0120/64/000/001/0110/0114

AUTHOR: Denbnovetskiy, S. V.; Svechnikov, S. V.

TITLE: Methods for investigating relaxation-process parameters in physical systems

$Vol \# 9$

SOURCE: Pribory* i tekhnika eksperimenta, no. 1, 1964, 110-114

TOPIC TAGS: semiconductor, semiconductor transient response, phosphor, phosphor transient response, transient response, relaxation function, relaxation, relaxation process

ABSTRACT: A transfer from the integral characteristics of a process to the differential characteristics can be achieved by introducing a "specific slowness"* of relaxation θ which is given by $\theta(t) = -\varphi(t)/\varphi'(t)$, where $\varphi(t)$ is the relaxation function. According to this formula, the device intended for a functional transformation of the relaxation function $\varphi(t)$ into a curve of instantaneous relaxations

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ACCESSION NR: AP4018376

θ (t) is based on an algorithm in which the input φ(t) is divided by its time
derivative φ'(t) with the reverse sign. This algorithm is materialized by an
instrument that comprises 4 units: an input unit, a positive-feedback differentia-
tor, a divider, and an output unit (ENO-1 oscillograph for periodic processes and
a storage attachment for one-shot processes). The instrument permits switching
the examination of a process from its natural coordinates (amplitude, time) to the
auxiliary coordinates: "specific slowness" of relaxation, time. The new coordi-
nates provide information on the instantaneous inertia of a process. Orig. art.
has: 5 figures and 11 formulas. (* reciprocal of relaxation rate. Abstracter)

ASSOCIATION: Institut poluprovodnikov AN UkrSSR (Institute of Semiconductors,
AN UkrSSR)

SUBMITTED: 03Apr63   DATE ACQ: 18Mar64   ENCL: 00

SUB CODE: PH   NO REF SOV: 009   OTHER: 001

Card 2/2

L·01985-67   EWT(1)

ACC NR: AM6004837

Monograph   UR/   47
                                                     G+.

Petrenko, Anatoliy Ivanovich (Candidate of Technical Sciences); Denbnovetskiy,
Stanislav Vladimirovich (Candidate of Technical Sciences)

Time scaling converters of pulse signals   (Masshtabno-vremennyye preobrazova-
teli impul'snykh signalov)   Kiev,   [Izd-vo]   "Tekhnika",   65.
0155 p. illus., biblio.   3,300 copies printed.

TOPIC TAGS: electronic data processing, frequency conversion, storage tube,
electron tube, electron tube grid, pulse signal

PURPOSE AND COVERAGE: This book describes the time scaling converters of pulse
signals of electron ray memory tubes designed for matching parameters of the
analyzed pulse processes with systems of their automatic processing (electronic
digital computers, analyzers, recording devices, electronic models, linear trans-
mission, etc). The method of time scaling conversion (alteration of duration) is
presented, and the possibilities of various types of memory tubes in systems
processing information are estimated. An analysis is made of the work of a
storage tube with a grid barrier, and recommendations are given for the selection

CARD 1/2

UDC: 621.307. 331 01.

DENCHEV, A., inzh.; NANOV, D., inzh.

Experimental studies on the protection of transformer posts
with spark clearances from lightning. Elektroenergiia 14 no.
12: 9-16 D '63.

PASPALEV, G.; DIMCHEVA, L.; DENCHEV, D.

Results from experiments in transporting fertilized and nonfertilized trout caviar roe. Izv Zool inst BAN 9:359-372 '60.

(EEAI 10:9)

(Caviar)   (Trout)

DENCHEV, G.

DENCHEV, G. There is a cooperative farm also in the village of Arnautito. p.31.

Vol. 11, no. 10, Oct. 1956
KOOPERATIVNO ZEMEDELIE.
AGRICULTURE
Sofiia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

DENCHEV, K.

Effect of adrenalin on the heart muscle and report of a case of myo-
cardial infarction following intravenous injections of adrenalin.
Suvr. med. 12 no.9:99-104 '61.

1. Iz Okruzhnata bolnitsa v Turnovo (Gl. lekar N. Nachev).

(EPINEPHRINE toxicol)   (MYOCARDIAL INFARCT etiol)
(HEART pharmacol)

DERZHANSKI, A.; STAINOV, G. [Stainov, G.]; VANKOV, I.; ZHABLENSKI, N.;
    YANEVA, N. [IAneva, N.]; DENCHEV, K.

Characteristics of the fleeting umbrae during the total solar eclipse
of February 15 , 1961. Doklady BAN 15 no.4:365-368,'62.

1. Predstavleno akad. G. Nadzhakovym [Nadzhakov, G.].

DENCHEV, Kuzman.

Sound as a weapon against harmful animals. Priroda Bulg
12 no. 6:81-82 N-D '63.

KUNEV, V.; TENCHOV, Chr.; TSVETINOV, V. [deceased]; NANEV, Kr.; DENCHEV, K.

A new photoelectronic multiplier with rotational symmetry
and bialkaline photocathode. Fiz mat spisanie BAN 7 no.1:
39-42 '64.

DENCHEV, M., inzh., kand. na tekhn. nauki

Substituting the plastic mass for nonferrous metals in repairing building machinery. Mashinostroene 11 no.4:34-37 Ap '62.

DENCHEV, M.

Computation of vibration machines for the production of
ferroconcrete panels. Izv vedno stop stroit BAN 5-20
4 '63.

DENCHEV, M.

Use of tower cranes in the industrialization of dwelling
building. Izv vodno stop stroit BAN 21-35 4 '63.

DENCHEV, Mikhail, k.t.n. inzh.

    Application of the aggregate-knot method to the overhaul of excavators.
Stroitelstvo '9 no.6:28-29 N-D '62.

AUTHOR: Denchev, Mikhail

TITLE: Operational characteristics of new antifriction
               plastics

PERIODICAL: Plasticheskiye massy, no. 2, 1963, 66-68

TEXT: Graphite-filled, wood-reinforced plastics (I) based on resol resin,
capronite (II) and capronite "У" ("U") (III), consisting of resin, 8-10%
graphite and secondary caprone, and graphite-filled textolite (IV) were
tested for friction bearings in building equipment. The Brinell hardness
was 25-30 kg/cm^2 for I-III, and 25-40 for IV. The wear (μ/hr) was deter-
mined under 2, 4, 6, 15, 30, and 60 kg/cm^2 loads at gliding speeds of
0.5, 1, and 2 m/sec with lubrication by water, machine oil, or machine oil
mixed with quartz sand. At 30 kg/cm^2 and with water, the wear (μ/hr) at
0.5 m/sec was about 1.5 for I, 1.0 for II, 0.5 for III, and 0.8 for IV.
At 2 m/sec, the values were about 1.8 for I, 1.2 for II, 0.6 for III, and
1.0 for IV. At 60 kg/cm^2 and with oil, the wear at 0.5 m/sec was about 3
for I, 2.7 for II, 1.2 for III, and 1.8 for IV; at 2.0 m/sec, the values
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Operational characteristics of ...

S/191/63/000/002/017/019
B101/B186

were about 2.0, 1.5, 0.8, 1.3, respectively. At 15 kg/cm^2, 2.0 m/sec, and with oil mixed with abrasive, the wear was about 3.3 for I, 2.0 for II, 1.2 for III, and 1.7 for IV. The resistance to wear was many times greater than that of bronze. There are 4 figures and 1 table.

Card 2/2

DENCHEV, M. G.

Cand Tech Sci - (diss) "Study of the performance of plastic roller bearings of construction machines." Moscow, 1961. 13 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Labor Red Banner Construction Engineering Inst imeni V. V. Kuybyshev); 180 copies; price not given; (KL, 5-61 sup, 189)

16(1)
SOV/20-126-2-9/64

AUTHOR: Denchev,R.

TITLE: On the Spectrum of an Operator

PERIODICAL: Doklady Akademii nauk SSSR,1959,Vol 126,Nr 2,pp 259-262 (USSR)

ABSTRACT: In the domain Ω with the boundary S the author considers the problem

(1) $\quad \dfrac{\partial^2}{\partial t^2}\Delta\phi + \dfrac{\partial^2\phi}{\partial z^2} = 0 , \qquad \phi = \phi(x,y,z,t)$

$\phi|_S = 0 ; \quad \phi|_{t=0} = \psi_0(x,y,z) ; \quad \dfrac{\partial\phi}{\partial t}\Big|_{t=0} = \psi_1(x,y,z) .$

The question for almost-periodic solutions leads to the spectrum of the operator $L = \Delta^{-1}\dfrac{\partial^2}{\partial z^2}$, where $\Delta^{-1}u =$

$= \displaystyle\int_{\Omega} G(x,y,z;x',y',z')u(x',y',z')dx'dy'dz'$ and G is the Green's

function of the Laplace operator in Ω. It is shown that the spectrum of L is discrete and consequently the solution of (1) is almost periodic if Ω is an ellipsoid or a cylinder, the

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On the Spectrum of an Operator   SOV/20-126-2-9/64

generating lines of which are parallel to the z-axis. At the
same time the author proves the existence of a system of eigen-
functions in L complete and orthogonal in $W_2^{(1)}$. The author
mentions S.L.Sobolev.
There are 4 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova
(Moscow State University imeni M.V.Lomonosov)

PRESENTED: January 21, 1959, by S.L.Sobolev, Academician

SUBMITTED: January 19, 1959

Card 2/2

16(1)
AUTHOR: Denchev, R.   SOV/20-127-3-5/71

TITLE: On the Dirichlet Problem for the Wave Equation

PERIODICAL: Doklady Akademii nauk SSSR,1959,Vol 127,Nr 3,pp 501-504(USSR)

ABSTRACT: In the domain Ω with the boundary S the author considers the
               problem

$$(1) \qquad \frac{\partial^2 u}{\partial z^2} - \frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} = f(x,y,z)$$

$$(2) \qquad u|_S = 0 .$$

Let $W_2^{(1)}$ be the space of the functions which possess gene-
ralized derivatives square summable in Ω. A solution of (1)
is a function possessing generalized second derivatives and
satisfying (1).

Let $L = \Delta^{-1} \dfrac{\partial^2}{\partial z^2}$, where

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On the Dirichlet Problem for the Wave Equation$\qquad$ SOV/20-127-3-5/71

$$\triangle^{-1}u = \iiint_{\Omega} G(x,y,z,x',y',z')u(x',y',z')dx'dy'dz'$$

whereby G denotes the Green function of Ω for the Laplace operator. Let a denumerable set of numbers λ_k and of corresponding functions σ_k exist so that

$$\frac{\partial^2 \sigma_k}{\partial z^2} - \lambda_k \triangle \sigma_k = 0 \ , \qquad \sigma_k \big|_S = 0 \ , \ k = 1,2,\dots$$

Theorem : For the uniqueness of the solution of (1) - (2) in $W_2^{(1)}$ it is necessary and sufficient that

$$\lambda_k \neq 1/2 \quad (k = 1,2,\dots)$$

Let $f(x,y,z) \in W_2^{(1)}$ and $F(x,y,z) = \int_0^z (z-t)f(x,y,t)dt$.

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On the Dirichlet Problem for the Wave Equation $\qquad$ SOV/20-127-3-5/71

Let $F = F_0 + \sum_{k=1}^{\infty} F_k \sigma_k$ be the expansion of F.

Theorem : If

$$\sum_{k=1}^{\infty} \frac{F_k^2}{(2-1/\lambda_k)^2}$$

converges, then (1)-(2) possesses a solution in $W_2^{(1)}$.

S.L. Sobolev is mentioned by the author.
There are 5 references, 3 of which are Soviet, and 2 American.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova
(Moscow State University imeni M.V. Lomonosov)

PRESENTED: April 9, 1959, by S.L. Sobolev, Academician

SUBMITTED: April 3, 1959

Card 3/3

DENCHEV, R. T., Cand Phys-Math Sci (diss) -- "The spectrum of an operator, and the Dirichlet problem for a wave equation". Moscow, 1960. 4 pp (Moscow State U im M. V. Lomonosov, Mech-Math Faculty), 150 copies (KL, No 14, 1960, 125)

DENCHEV, R. (Moskva)

On a spectral problem and on the Dirichlet problem for the vibrating string equation. Cas pro pest. mat 85 no.2:146-157 My '60.   (EEAI 9:10)
(Series)   (Differential equations)

DENCHEV, R.; SARANTSEVA, V.R., tekhn. red.

[Certain operators related to an equation of the type of Low's equation of scattering] O nekotorykh operatorakh, sviazannykh s odnim uravneniem tipa uravnenii rasseianiia Lou. Dubna, Ob"edinennyi in-t iadernykh issl., 1962. 10 p.   (MIRA 15:3)
    (Operators (Mathematics)) (Integral equations)

DENCHEV, R.; SARANTSEVA, V.R., tekhn. red.

[One nonlinear singular integral equation of the type of Low's equation of scattering] Ob odnom nelineinom singuliarnom integral'nom uravnenii tipa uravnenii rasseianiia Lou. Dubna, Ob"edinennyi in-t iadernykh issl., 1962. 13 p.   (MIRA 15:3)
(Integral equations)

L 19477-65   EWT(1)   IJP(c)/AFWL/SSD(a)-5/ESD(gs)

ACCESSION NR: AP5002080

$$S/0208/63/003/004/0771/0776$$

AUTHOR: Danchev, R. (Moscow)

TITLE: Nonlinear boundary value problem in the theory of analytic functions encountered in quantum field theory

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 3, no. 4, 1963, 771-776

TOPIC TAGS: boundary value problem, quantum theory, complex variable

ABSTRACT: The author seeks a function $h(z)$ with the properties: 1) $h(z)$ is analytic at all points of the plane cut along the interval $(-1,1)$ except for some real point s_0, $|s_0| > 1$, at which it has a simple pole with residue $a \le 0$; at the point infinity, $h(z)$ is regular and $h(\infty) = A$, A real; 2) $h(z) = \bar{h}(\bar{z})$ for all z for which $h(z)$ is defined; 3) almost everywhere on the cut there exist angular boundary values from the left $h^+(s)$ which are summable and almost everywhere satisfy

$$\mathrm{Im}\, h^+(s) = |h^+(s)|^2. \qquad (1)$$

The author shows that if $h(z)$ is a solution of the problem, then it is represented

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ACCESSION NR: AP5002080

by

$$h(z) = -\left(v + \frac{1}{\pi}\ln\left|\frac{1-z}{1+z}\right| + \frac{i}{\pi}\gamma(z) + R(z) + T(z)\right)^{-1}$$ (2)

where $\gamma(z)$, $R(z)$, $T(z)$ are defined by

$$I(z) = \frac{1}{\pi}\int_{-1}^{1}\frac{1+\sigma z}{\sigma-z}\frac{d\sigma}{1+\sigma^2} = -\frac{1}{\pi}\ln\frac{1-z}{1+z} = -\frac{1}{\pi}\ln\left|\frac{1-z}{1+z}\right| + \frac{i}{\pi}\gamma(z);$$ (3)

$$R(z) = \sum\frac{r_k}{1+c_k^2}\frac{1+c_k z}{c_k-z};$$ (4)

$$T(z) = \int_{-1}^{1}\frac{1+\sigma z}{\sigma-z}\frac{d\theta(\sigma)}{1+\sigma^2};$$ (5)

$\theta(\sigma)$ is a nondecreasing singular function; v, r_k, c_k are real constants satisfying

$$\frac{1}{A} + v - \sum\frac{r_k c_k}{1+c_k^2} - \int_{-1}^{1}\frac{\sigma d\theta(\sigma)}{1+\sigma^2} = 0,$$ (6)

$$v + \frac{1}{\pi}\ln\left|\frac{1-z_0}{1+z_0}\right| + \sum\frac{r_k}{1+c_k^2}\frac{1+c_k z_0}{c_k-z_0} + \int_{-1}^{1}\frac{1-\sigma z_0}{\sigma-z_0}\frac{d\theta(\sigma)}{1+\sigma^2} = 0,$$ (7)

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ACCESSION NR: AP5002090

$$\frac{1}{a} + \frac{2}{\pi}\frac{1}{c_0^2 - 1} + \sum \frac{r_k}{(c_k - s_0)^2} + \int_{-1}^{1}\frac{d\theta(s)}{(s - s_0)^2} = 0 \, , \qquad (8)$$

and

$$r_k \geqslant 0, \quad |c_k| \leqslant 1. \qquad (9)$$

He shows that all functions determined by (2) under the given conditions are solutions of the problem. He finds the explicit form of the solutions of this problem by a method analogous to that of L. Castillejo, R. H. Dalitz, and F. J. Dyson (Low's scattering equation for the charged and neutral scalar theories. Phys. Rev., 1956, 101, No. 1, 453-458). Orig. art. has: 32 formulas and 1 figure.

ASSOCIATION: none

SUBMITTED: 08Jun62   ENCL: 00

SUB CODE: MA, GP   NR REF SOV: 003   OTHER: 003

Card 3/3

KOCHEV, Khr.; DENCHEV, St.

Some rare plants in the flora of Bulgaria. Izv Inst bot
BAN no.8:249-250 '61.

GANCHEV, Iv.; DENCHEV, St.

      Floristic materials from the Stara Zagora Plain and Surnena
      Gora. Izv Inst bot BAN 11 159-160 '63.

     1. Chlen na Redaktsionnata kolegiia, "Izvestiia na Bota-
        nicheskiia institut" (for Ganchev).

KANAZIRSKI, Petur; DENCHEV, V.; LEVCHEVA, V.

Anticoagulant prevention of postoperative thrombo-embolic complica-
tions. Suvrem med., Sofia no.4/5:87-95 '61.

1. Iz Sanatoriuma Iskrets na Sofiiskia gradski naroden suvet. (Gl.
lekar I. Popov)

(SURGERY OPERATIVE compl)
(ANTICOAGULANTS ther)
(THROMBOEMBOLISM prev & control)
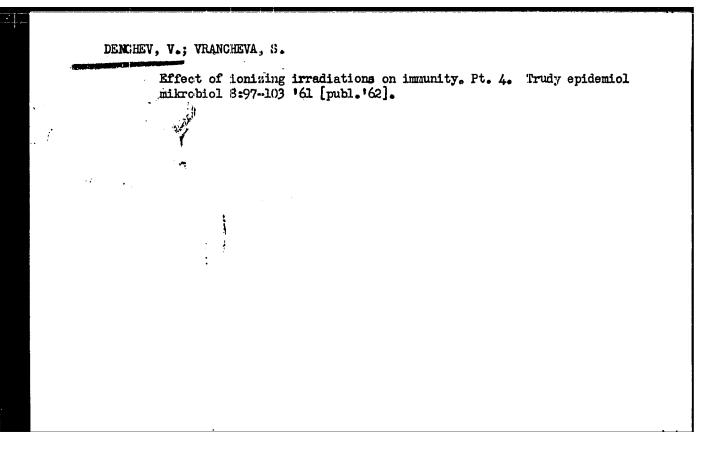
DENCHEV, V.

Epidemiological peculiarities of tetanus in Bulgaria. Trudy epidemiol mikrobiol 8:73-82 '61 [publ. '62].

VRANCHEVA, S.; DENCHEV, V.; YOMTOV, M. [Iomtov, M.]

Experimental active immunization by the perfringens-oedematiens-tetanus trianatoxin. Trudy epidemiol mikrobiol 8:91-96 '61 [publ.'62].

DENCHEV, V.; VRANCHEVA, S.

Effect of ionizing irradiations on immunity. Pt. 4. Trudy epidemiol mikrobiol 8:97-103 '61 [publ.'62].

BULGARIA

VAKLINOVA, S., DENCHEVA, A., Institute of Plant Physiology, Bulgarian Academy
of Sciences

"Accumulation of Biomass and Protein Nitrogen in Scenedesmus Cells Under the
Influence of Various Nitrogen Forms"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 12, 1966, pp 1187-1190

Abstract: [English article] Plant metabolism is affected in various ways
by nitrogen forms differing in degree of reduction. The present investigation
traced the effect not only of nitrate and ammonia nitrogen but also of
nitrite and urea on the growth of and biomass accumulation in Scenedesmus.
The content of protein nitrogen, pigments, and certain morphological changes
obtained after the action of these four nitrogen forms was also determined.
The plant selected was Scenedesmus quadricauda 120. The culture was grown
in Roux vessels at 26°C, being exposed for eight hours to luminescent lamps
with an intensity about 3,500 lux and insufflated with 1% CO_2-enriched air.
The sowing was effected on Chu nitrogenless nutrient medium. The nitrogen
was introduced after a 16-hour starvation of the culture in a quantity
qual to its own in a complete nutrient medium. The results show that
the action of the different nitrogen forms on the exchange of substances
in Scenedesmus quadric is specific. Ammonia nitrogen stimulates the

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ACC NR: AP7003867   SOURCE CODE: BU/0011/66/019/012/1187/1190

AUTHOR: Vaklinova, S.; Dencheva, A.

ORG: Institute of Plant Physiology, Bulgarian Academy of Science

TITLE: Accumulation of biomass and protein nitrogen in Scenedesmus cells exposed to various forms of nitrogen

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 19, no. 12, 1966, 1187-1190 .

TOPIC TAGS: algae, plant physiology, plant chemistry, altered gas atmosphere, nitrogen, photosynthesis, plant metabolism

ABSTRACT: This experiment was designed to trace the effect of nitrate, ammonia nitrogen, nitrite, and urea on the growth and biomass accumulation of Scenedesmus quadricanda 120. The culture was grown in Rou vessels at 26C, exposed to lamps for eight hours daily (3,500 lux) and supplied with a 1% CO_2-enriched air mixture. The culture medium lacked nitrogen (Chu) which was introduced after 16 hr (140 mg of nitrogen/liter) in the form of $NaNO_3$, $NaNO_2$, $(NH_4)_2SO_4$, $(NH_2)_2CO$. Samples were analyzed after six days. The quantity of absolutely dry biomass was determined by filtering a certain volume of suspension through a Seitz filter. The density of the

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ACC NR: AP7003867

suspension and pigment content were determined by the Lowry method. Tables 1—3 show some results of the experiment. The study demonstrated

Table 1. Optical density of suspension and pigment content

Variant	Opt. density of suspen-sion	Pigment content mg/ml suspension	
		chlorophyll	caroline
Zero sample	0.134		
NaNO₃	0.510	0.306	0.630
NaNO₂	0.309	0.266	0.491
(NO₄)₂SO₄	0.289	0.275	0.409
(NH₂)₂CO	0.589	0.333	0.671

Table 2. Biomass accumulation (number of cells, abs. dry matter and growth)

Variant	Number of cells per cm³ suspension (×600)	Abs. dry matter		Growth of dry matter against zero sample
		mg/100 ml suspension	per million cells in mg	
Zero sample	282	11.5	0.41	100
NaNO₃	1.304	42.5	0.32	373
NaNO₂	664	19.6	0.29	171
(NH₄)₂SO₄	422	41.9	0.99	376
(NH₂)₂CO	1.334	53.2	0.39	487

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Table 3.   Protein nitrogen content

Variants	Port. nitr. in mg. per 100 mg dry matter	Prot. nitr. in mg. per million cells
$NaNO_3$	3.43	2.63
$NaNO_2$	3.18	4.78
$(NH_4)_2SO_4$	9.49	22.48
$(NH_2)_2CO$	4.23	3.17

that various forms of nitrogen have a specific effect on Scenedesmus
metabolism. Ammonia nitrogen stimulates protein synthesis and the accumu-
lation of dry matter, while inhibiting cell division. Greatest biomass
yield resulted from the use of urea nitrogen followed by nitrate nitrogen.
The smallest absolute biomass yield occurs when nitrite nitrogen is used.
This substance inhibits culture vitality and development.

SUB CODE: 06/ SUBM DATE: none/   ORIG REF: 001/   OTH REF: 003
ATD PRESS: 5113

Card   3/3

DENCHEVA, M.

NACHEV, N.; DENCHEVA, M.; GOSPODINOV, B.

Experience with the treatment of gangrene of the dental pulp and of periodontitis. Stomatologiia no.1:18-23 '54.   (EEAL 3:7)

1. Iz opita na terapevtichnoto otdelenie na Okruzhnata stomatologichna poliklinika, gr. Kolarovgrad. Gl. lekar Vl.Sokachev.
         (DENTAL PULP, gangrene,   (PERIODONTIUM, diseases,
           *ther.)   *ther.)
         (GANGRENE,
           *dent. pulp, ther.)

DENCHIK, N.I.

Dynamics of arterial pressure in Valsalva's test as an index of
the functional state of the cardiovascular system. Nauch.trudy
L'vov.obl.terap.ob-va no.1:153-156 '61.   (MIRA 16:5)

1. Kafedra fakul'tetskoy terapii pediatricheskogo i sanitarno-
gigiyenicheskogo instituta (zav. kafedroy - dotsent S.M. Marynov).
          (BLOOD PRESSURE)   (CARDIOVASCULAR SYSTEM)

DENCHIK, N.L.

Blood sedimentation reaction in chronic circulatory insufficiency.
Vrach.delo no.12:1327 D '59.   (MIRA 13:5)

1. Kafedra fakul'tetskoy terapii (zav. - dotsent S.M. Martynov)
pediatricheskogi i sanitarno-gigiyenicheskogo fakul'tetov L'vov-
skogo meditsinskogo instituta.
                  (BLOOD--CIRCULATION, DISORDERS OF)
                  (BLOOD--SEDIMENTATION)

DENCHIK, V.F.

~~Outlook~~ for the cultivation of eucommia in the Ukraine. Trudy Bot.
sada AN URSR 3:45-49 '55.   (MLRA 10:8)
                    (Ukraine--Eucommia)

DENCHIK, V. F.

USSR / Cultivated Plants.   Introduction and Acclimatization.   M

Abs Jour   : Ref 'hur - Biol., No 8, 1958, No 34576

Author   : Denchik, V. F.
Inst   : Not given
Title   : Experiments on Acclimatization of Eucommia in the Ukraine.

Orig Pub   : Byul. Gl. botan. sada, 1957, No 27, 21-24.

Author   : Experiments carried out in the botanical garden of Kiev,
              Dnepropetrovsk, Poltava, Zhitomir, Kamenez-Podolsk and Sum
              have shown that Eucommia can be grown in all the zones of
              the Ukraine. In the botanical garden of the Academy of
              Sciences USSR (Kiev),   >   · 400 specimens from 5
              to 7 years old are presently growing.   Out of these,   >
              100 specimens have reached a height of 3.5 meters, show a
              thick leafy crown, and have a stem 7-8 cm in diameter at the
              rootstock. Freezing off the extremities of the shoots does
              not harm the tree. Yearly clipping increases the total out-
              put of the leaf mass. -- I. K. Fortunatov.
Card 1/1

10

DENCHIK, V.F.

Oaks in the arboretum of the Botanical Garden of the Academy of
Sciences of the Ukrainian S.S.R. Biul.Glav.bot.sada no.37:26-29
'60.   (MIRA 13:11)

1. Botanicheskiy sad Akademii nauk Ukrainskoy SSR, Kiyev.
                    (Kiev--Oak)

DENCHIK, V.F.

Collection of maples in the Kiev Arboretum. Biul. Glav. bot.
sada no.53:17-22 '64.   (MIRA 17:6)

1. TSentral'nyy respublikanskiy botanicheskiy sad Akademii
nauk UkrSSR, Kiyev.

DENCHIK, V.P. [Denchyk, V.P.]

Oaks of the arboretum of the Botanical Garden of the Ukrainian
Academy of Sciences. Trudy Bot. sada. AN URSR 7:68-75 '60.
(MIRA 14:4)

(Ukraine—Oak)

DENCHIK, V.P. [Denchyk, V.P.]

Birches of the Far East in the arboretum of the Central Republic
Botanical Garden of the Academy of Sciences of the Ukrainian
S.S.R. Visnyk Bot.sada AN URSR no.4:24-34 '62.   (MIRA 16:1)
                    (Kiev--Plant introduction)
                        (Kiev birch)

KOLAR, O.; DENCKER, S.J.

Problems in qualitative properties of cerebrospinal fluid
gamma globulin in subacute sclerosing leukoencephalitis. Cas.
lek. cesk. 103 no.27:729-732   26 Je'64

1. Neurologicka klinika lekarske fakulty PU [Palackeho universi-
ty] v Olomouci (prednosta: prof. dr. J.Hrbek,DrSc.) a Neurologicka
klinika lekarske fakulty University v Lundu (prednosta: prof. dr.
R.Muller, Dr.Med.).

CZECHOSLOVAKIA / SWEDEN

KOLAR, O.; DENCKER, S.J.;BENKO, J.; KADLEC, A.; Neurological Clinic
Med. Fac. Palacky Univ. (Neurol. Klin. Lek. Fak. PU), Olomouc,
Head (Prednosta) Prof Dr J. HRBEK; Neurol. Clin. Med. Fac. Lund
Univ., Head Prof Dr R. MULLER /Orig. version not given_7; Neurol.
Dept. Pediatric Hospital (Neurol. Odd. Detske Fak. Nemocnice),
Bratislava, Head (Vedouci) Dr J. BENKO; Microbiological Inst. Med.
Fac. Palacky Univ. (Mikrobiol. Ustav Lek. Fak. PU), Olomouc, Head
(Prednosta) Docent Dr E. MARSALEK.

"Problems of Immunologically Active Proteins in the Cerebrospinal
Fluid in Patients with Subacute Encephalitis Dawson-Pette-Doring-
-Van Bogaert."

Abstract [Authors' English summary modified]: The active fraction is ob-
tained from the 7S fraction of gamma globulins. Gamma-1-M-globulin is not
increased. Administration of antigen from the brain of a patient dead from
the disease resulted in correlation of the complement-fixing antibodies
with increase in the gamma globulin fraction. These antibodies are specific
for this disease. In subacute cases serum immunoglobulins should be examined.
3 Figures, 3 Tables, 7 Western, 11 Czech references. (Ms. rec. 6 Jul 64).

1/1

DENDERIN, I.P., inzh.

Erection of the roof shells of a thermal electric plan` .th a
bridge crane. Prom.stroi. 40 no.4:18-20 '62.   (MIRA 15:5)
(Chernigov—Electric power plants) (Roofs, Shell)

DENDOR, M.

DENDOR, M.

A few remarks on electrical engineering on ships.

P. 152 (WIADOMOSCI ELEKTROTECHNICZNE) (Warsaw, Poland) Vol. 17, no.6, June 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958.

DENDOR, M.

"From the First National Conference on Electrotechnology in Shipbuilding."

p. 11 (Wiadomosci Elektrotechniczne) Vol. 18, no. 1, Jan. 1958
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
     April 1958

DENDOR, Mieczyslaw, inz.

From the First Polish National Conference on electrical engineering for ships. Wiad elektrotechn 18 no.1:11-12 Ja '58.

POPEREKO, A. (Krasnodarskiy kray); ANDREYEV, A. (Kansk Krasnoyarskogo kraya);
    ANDRIYENKO, inzh. (Bilibino Magadanskoy obl.); SALIM ZADE, R. (Baku);
    DENDYAYEV, V. (Baku); LAARING, A., inzh.-konstruktor (Tallin);
    SHURAVIN, A. (Kaliningrad Moskovskoy obl.); LYSIKHA, P., konstruktor
    (Lugansk)

Conceived and achieved. Izobr. i rats. no.7:10-11 '63.
                                                    (MIRA 16:9)
                    (Technological innovations)

KLEYNER, G. I.; LEVITOV, M. M.; KLAPOVSKAYA, K. I.; ZAVILEYSKAYA, G. F.; YUDINA, O. D.; DENDZE, B. B.

"Investigation of the process of fermentative cleavage of penicillin."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

All-Union Sci Res Inst of Antibiotics, Moscow & Plant for the Production of Medical Products, Riga.

DENDZELEVSKIY, I. A.

"K voprosu o vremeni rasseleniya vostochnykh slavyan na yuzhnykh slonakh Ukrainskikh Karpat."

report submitted for 7th Int'l Cong, Anthropological & Ethnological Sciences, Moscow, 3-10 Aug 64.

BARANOV, I.G.; DENEGA, B.I.

Uneven development of the salt domes of the Dnieper-Donets
Lowland. Trudy UkrNIGRI no.5:5-15 '63.

(MIRA 18:3)

APPROVED FOR RELEASE: 06/12/2000   CIA-RDP86-00513R000310120001-3

ACC NR: AR6033758   SOURCE CODE: UR/0081/66/000/018/P013/P013

AUTHOR: Chagunava, V. T.; Deneladze, E. R.

TITLE: Desulfurization of sour crude oil with manganese

SOURCE: Ref. zh. Khimiya, Part II, Abs. 18P93

REF SOURCE: Sb. Issled. po khim. pererabotke rud. Tbilisi, Metsniyereba, 1966, 47-51

TOPIC TAGS: petroleum product, manganese, desulfurization, sour crude oil, molybdenum sulfide, hydrofining, hydrocracking

ABSTRACT: Pyrolusite and other manganese ores were used in tests in a reducing atmosphere to refine petroleum fractions (F) by removal of sulfur. During the reaction, H_2S is released from the gas mixture and the reaction equilibrium is moved to the right. The hydrofining of the fuel fractions can be successful at 450C under pressure of 30 atm, an 0.5 l/hp-hr cycle rate, and a 500 l/hp-hr H_2 consumption rate. Thus, in the HK-120 F at 120—200C, the S content of Arlan petroleum can be reduced from 0.0356 and 0.285% to 0.0059 and 0.066%, respec-

Card 1/2

APPROVED FOR RELEASE: 06/12/2000   CIA-RDP86-00513R000310120001-3"

ACC NR: AR6033758

tively. The formation of molybdenum sulfide decreases the catalyst's activity,
which is restored after air blowing at 700—750C. The S content in the kerosene F
can be reduced from 0.9 to 0.15%. During hydrocracking of Arlan petroleum
(S content = 3.2%) a catalyzats with 0.7% of S is obtained with a manganese catalyst
at a 1 1/hp-hr cycle, a 1000 1/hp-hr H_2 supply, and a temperature of 450C. The
yield of the hydrogenation product amounted to 85% for raw material. The HK F
content in the hydrogenation product was 23.4% at 180C, 37.5% at 180—300C, and
the residue, 39.0% at 7300C. The coke content was 4.5%, that of gas and losses-
10.5%. I. Rozhkov. Bibliography has 12 titles.   [GC]

SUB CODE: 08, 11/

Card 2/2

DENENBURG L. M.

DENENBURG, L. M.

"The Dynamics of the Course of Certain Acute Suppurative Inflammatory
Processes During Treatment With Mycetin." Cand Med Sci, L'vov State
Medical Inst, Khar'kov, 1953. (KL, No 7, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical
     Dissertation Defended at USSR Higher Educational Institutions
     (14)

DENEBERG, M.

YUGOSLAVI

Dr M. STOJIIC, Dr L. SLAMA, and Dr M. _____, Department of Internal
Medicine (Odeljenje za unutrasnje bolesti) and Department of Pathological
Anatomy and Histology (Odeljenje za patolosku anatomiju i histologiju)
City Hospital (Gradska bolnica).

'Fatal Aplastic Anemia During Treatment with Chloramphenicol.'

Belgrade, Medicinski Glasnik, Vol 16, No 10-12, Oct-Dec 1962, pp 454-456.

Abstract: Case in 52-year-old retired carpenter with chronic bronchial
asthma, long treated with many drugs; eventually he received an Rx for
chloramphenicol 1 gram daily [apparently for bronchial asthma or some
hypothetical infection underlying it] which he continued to take for
5 months; sudden appearance of purpuric lesions, reticulocytes 10%; 15
liters of whole blood transfused during 4 months, corticosteroids and
other treatment all failed to save him; complete aplasia is of all
hemopoietic tissues. Eighteen Western, 2 Yugoslav references.

. 1/1

STOJSIC, S., dr.; SVRAKA, L., dr.; DENEBERG, M., dr.

Fatal aplastic anemia during the course of chloramphenicol
therapy. Med. glas. 16 no.10/12:446-448 O-D '62.

1. Odeljenje za unutrasnje bolesti i Odeljenje za patolosku
anatomiju i histologiju Gradske bolnice u Subotici.
(CHLORAMPHENICOL) (ANEMIA APLASTIC)

C

KAZAKOVA, Ye.A., kand.tekhn.nauk; MESHCHERYAKOV, N.V., kand.tekhn.nauk;
MUZYCHENKO, L.V.; DEMEGA, A.I.; KHORDINA, Yu.A.; NIKIFOROVA, N.V.

Cooling of granulated fertilizers in a fluidized bed. Khim.
prom. no.5:330-336 My '62.   (MIRA 15:7)
                        (Fertilizers and manures)
                            (Fluidization)

KAZAKOVA, Ye.A.; DENEGA, A.I.; MUZYCHENKO, L.V.

Heat transfer between granular particles and air in a fluidized bed.
Inzh.-fiz. zhur. 6 no.4:51-55 Ap '63.   (MIRA 16:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
azotnoy promyshlennosti i produktov organicheskogo sinteza, Moskva.
         (Heat—Transmission) (Ammonium nitrate) (Fluidization)

DENEL', Aleksandr Kirillovich; LYUTSAU, V.G., red.

[Laboratory for the defectoscopy of metals] Laborato-
riia defektoskopii metallov. Moskva, Metallurgiia,
1964. 154 p.   (MIRA 18:2)

COUNTRY   : USSR

CATEGORY   : Cultivated Plants. Fodder Grasses and Roots.

ABS. JOUR.: Ref Zhur-Biologiya, No.7 , 1959, No. 30371

Author   : Dul'skiy, G.; Denenko, M.
INST.   : Kirghiz Inst of Animal Husbandry
TITLE   : Raising Vetch for Seed Together with Oats.

ORIG. PUB.: S. kh. Kirgizii, 1958, No.4, 52-56

ABSTRACT :   In 1954 at Issyk-Kul' experiment station of
             Kirghiz Institute of Animal Husbandry experi-
             ments were made to find out the norms for
             sowing vetch and a supporting crop to ward
             off lodging in the plantings. Sudan grass
             was tried for underplanting with vetch. The
             control was a grass mixture of vetch with
             oats. The sudan grass - vetch mixture pro-
             duced a hay yield of 48.8 cwt/ha. The oats-
             vetch 79.0 cwt/ha. Sudan grass under a vetch

CARD :   1/2

SUBJECT :   Cultivated Plants.

ABS. JOUR. : Ref Zhur - Biologiya, No. 5 1959, No. 20371

AUTHOR   :
INST.   :
TITLE   :

ORIG. PUB.:

ABSTRACT :   cover was strongly thinned out, growing
             slowly after harvest. In 1955-1956, when
             170 kg/ha of oats and 5-25 kg/ha of vetch
             were sown, the grass stand did not lodge, and
             a 34-38 cwt/ha grain yield (5 kg/ha of vetch)
             was produced. The 1957 experiments showed
             that the sowing rates of vetch can be increa-
             sed to 35 kg/ha, producing 4.3 cwt/ha of
             vetch seed and 20 cwt/ha of oat grain.
             --I.N. Zaikina

CARD: 2/2

DENEL', A.K.

Introduction of the methods of nondestructive testing. Zav.lab.
29 no.5:632 '63.   (MIRA 16:5)
          (Engineering laboratories) (Nondestructive testing)

DENENY, A.

RUMANIA/Electricity - Conductors   G-4

Abs Jour   : Referat Zhur - Fizika, No 5, 1957, 12242

Author   : Ciorascu, F., Deneny, A., Nachman, M., Oncescu, M.
Inst   : -
Title   : Change in Specific Resistivity of Thin Films of Lead at a
              Function of Their Thickness.
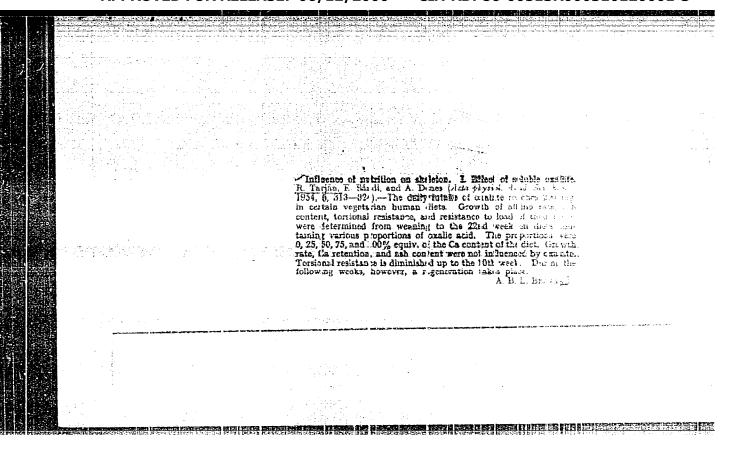
Orig Pub   : Studii si cercetari fiz., 1956, 7, No 1, 25-35
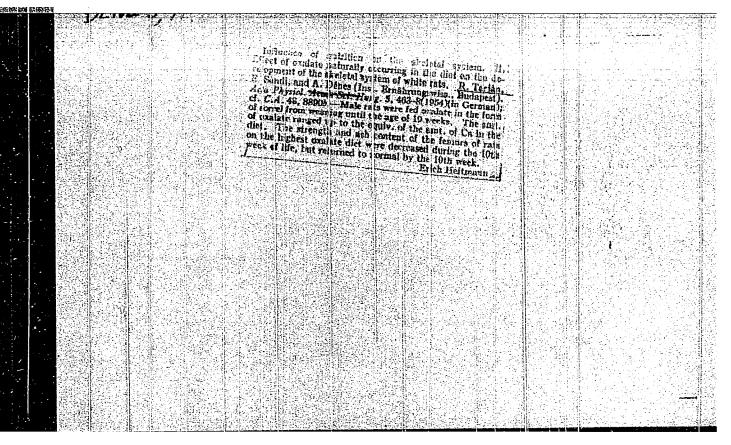
Abstract   : A study was made of the dependence of the specific resis-
              tivity ρ on the thickness x of thin films of lead, ob-
              tained by evaporation and coating on a quartz plate, and
              also the influence of the temperature and of the state of
              the substrate on the dependence ρ (x). The measurements
              were carried out at pressures of approximately 5×10^{-8},
              mm mercury, using well degassed substrates. The following
              results were obtained: (1) ρ diminishes with variation of
              x up to a certain definite value of x, at which one obser-
              ves a sharp decrease in ρ , and this behavior of the

Card 1/2

Influence of nutrition on skeleton. I. Effect of soluble oxalate. R. Tarján, E. Shódl, and A. Denes (*Acta Physiol. Acad. Sci. Hung.* 1954, 6, 313—92).—The daily intake of oxalate reaches high in certain vegetarian human diets. Growth of all in ash content, torsional resistance, and resistance to load of torsion were determined from weaning to the 22nd week on diets containing various proportions of oxalic acid. The proportions were 0, 25, 50, 75, and 100% equiv. of the Ca content of the diet. Growth rate, Ca retention, and ash content were not influenced by oxalate. Torsional resistance is diminished up to the 10th week. During the following weeks, however, a regeneration takes place.

A. B. L. Be...

Influence of nutrition on the skeletal system. III. Effect of oxalate naturally occurring in the diet on the development of the skeletal system of white rats. R. Tarján, L. Sándi, and A. Dénes (Ins Ernährungswiss., Budapest). Acta Physiol. Acad. Sci. Hung. 5, 403-8 (1954)(in German); cf. C.A. 48, 8880b.—Male rats were fed oxalate in the form of oxalic acid from weaning until the age of 10 weeks. The amt. of oxalate ranged up to the equiv. of the amt. of Ca in the diet. The strength and ash content of the femurs of rats on the highest oxalate diet were decreased during the 10th week of life, but returned to normal by the 10th week.
                                        Erich Heftmann

DENES, A.; SANDI, E.; CIELESZKY, V.

Polarographic investigations of the exchange ratios of copper and iron in the
complexes of hydroxamic acid and the biological significance of this ratio.
In German. p. 381 (Acta Chimica, Vol. 9, No. 1/4, 1956, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

DIENES, A.

Investigation of the decomposition of parathion spray residue on apples.

p. 182 (Elelmezesi Ipar. Vol. 11, no. 7/8, Oct. 1957. Budapest, Hungary)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958